

September 6, 2022

City of North Port
Utilities Department
6644 W. Price Street
North Port, Florida 34291
Attention: Mike Acosta, PE, Engineering Manager



Stantec Consulting Services Inc.
6920 Professional Parkway
Sarasota, Florida 34240

**RE: Request for Letter of Interest No. 2023-03
Water Reclamation Facility Effluent Pipeline**

Dear Mr. Acosta,

Stantec Consulting Services Inc. (Stantec) is pleased to submit our Letter of Interest for the City of North Port RLI No. 2023-03, Water Reclamation Facility Effluent Pipeline. We understand that as the City of North Port continues to grow, North Port Utilities Department (NPU) continues to accommodate this growth of the community through the planned expansions of their infrastructure. With this project, the additional effluent pipeline to the deep injection well will allow for full flow from the Water Reclamation Facility (WRF) at design and maximum flows. This will become even more important as the City moves forward with the Water and Wastewater Expansion Plan when new customers connect to the wastewater system.

Our response to your Request for Letters of Interest, outlined within this letter, highlights our project approach, design professionals and technical expertise, project design experience and commitment to our clients.

Project Approach

Our approach is simple: Partner with NPU and leverage our experience and expertise to successfully deliver this project meeting all established goals and objectives. We have a strong process that creates clear and concise communication between all team members including subconsultants, stakeholders, and, most importantly, you.

Unfortunately, we feel that delivering final plans and technical specifications 20 weeks after kick-off is not feasible. The magnitude of this project will not allow for such an aggressive schedule. We suggest that the schedule be discussed as the project scope gets developed in further detailed.

One of the key issues with this project will be selecting the appropriate alignment of the new effluent pipeline. During preliminary design Stantec will work with NPU to review criteria such as: pipeline length, pipe sizing during hydraulic modeling analysis, public inconvenience, safety, major road and water crossings, permitting issues, right-of-way/easement availability, utility conflicts, O&M accessibility, environmental impacts/wetland mitigation, maintenance of traffic (MOT), and construction sequencing and staging. Other key issues of the project approach will include trenchless installations and permitting.

Pipeline Route – The existing effluent pipeline is located primarily through City of North Port and Charlotte County road rights-of-way. The rights-of-way in the City are through built out commercial and residential areas that contain existing potable water mains, gravity sewer mains, force mains, and various private utilities. It will be challenging to install the new effluent pipeline parallel to the existing effluent pipeline with so many existing utilities in the same right-of-way corridor. Refer to the *Effluent Pipeline Route* Exhibit on the next page.

While the deep injection well is located in the City of North Port, there is over 7,000 LF of the existing effluent pipeline located in Charlotte County residential rights-of-way. Along the alignment of the existing effluent pipeline, Charlotte County Utilities has an existing 8" potable water main on the north side of Chancellor Boulevard and the west side of Campbell Street. Although the segment through Charlotte County is less congested with existing utilities, allowing for a less challenging installation of a new parallel effluent pipeline, there is a risk that Charlotte County may require the relocation of the City's effluent pipeline in the future if it is in conflict with any of their planned infrastructure improvements. In addition, the Peace River Manasota Regional Water Supply Authority currently has the Regional Integrated Loop System Phase 2B Design Build project in progress, which will involve the installation of a large diameter potable water main. Currently the water main is proposed to be located in the Chancellor Boulevard and Campbell Street right-of-way therefore adding congestion to the Charlotte County right-of-way.

The potential routes between the Water Reclamation Facility and the deep injection wells are limited and the likelihood of having parallel effluent pipelines in some areas is inevitable. Having the additional effluent pipeline take a different alignment, when possible, will allow for interconnects between the two pipelines that provide NPU Operations flexibility when performing maintenance on the effluent pipeline system. An option to avoid the Campbell Street right-of-way would be to obtain a Utility Easement from SWFWMD along the east side of their parcel, from Chancellor Boulevard south to the deep injection well.

Trenchless Installations – Depending on the final effluent pipeline alignment, there could be three or more trenchless crossings under waterways, wetlands, and State Highways. Being that NPU is moving away from bridge mounted pipeline crossings, the waterway crossings will likely be achieved by horizontal directional drilling (HDD). The Florida Department of Transportation will require that the crossing of Tamiami Trail (US Highway 41) be trenchless. This will be achieved by using either a Bore and Jack or a

HDD depending on the location of existing utility conflicts. Should the City elect to obtain a Utility Easement from SWFWMD, there may be wetlands where HDD could be used to avoid impacts by drilling beneath the wetland areas.

Should the existing road right-of-way be too congested with existing utilities, the new effluent pipeline may be required to be located under the asphalt roadway. If this is the case, horizontal directional drilling is a worthwhile consideration because it will limit roadway restoration to the entry and exit pit locations while the road network will allow for project detours.

Permitting – Environmental resource permitting and Federal 404 permitting through FDEP will be required due to the unavoidable waterway crossings and possible wetland crossings should the proposed pipeline alignment go through the SWFWMD parcel. We are familiar with the permitting challenges that could be associated with this project and of the challenges associated with FDEP assuming the Federal 404 permitting reviews from EPA.

Stantec will work with NPU to obtain a utility right-of-way use permit from Charlotte County for the installation of the new effluent pipeline in their right-of-way.

Project Team

We have local and experienced technical expertise, design experience and resources to see this project all the way through commissioning. Stantec’s core project team provides the technical expertise and successful project delivery track record for longer pipeline projects. The familiarity of our team members with one another will provide NPU the best value and most efficient structure to successfully deliver this critical project. Furthermore, we have a team of locally based subconsultants with whom Stantec has a history of successfully completing similar projects.

Our Project Leadership will direct and guide all key staff through project delivery, communications, risk and value engineering, quality reviews, developing technical solutions, and daily design leadership. We have outlined the qualifications, relevant experience, and unique knowledge of our team below:

Project Management – Stephen MacEachern, PE, lives in North Port and has over 20 years of conveyance experience on several similarly sized and larger pipeline projects. He is committed to serving the needs of the City from the project kick-off meeting to the successful delivery of each project.

Project Technical Advisor – Tracy Anderson, PE, a Senior Utility Engineer will perform quality control reviews of the plans and specifications and will also ensure the necessary resources are available to our Team. Tracy has performed numerous pipeline route analyses throughout his career and will oversee the route analysis for this project. He is currently leading two other pressure pipeline projects in Florida totaling over twenty-eight miles that required route analysis.

Trenchless Design – Albert Ruiz, PE, a Trenchless expert with Stantec, will lead the design of all trenchless crossings. Albert has collaborated with our Team on all recent NPU projects involving trenchless pipeline installations. He has nearly 20 years’ experience in the field and has familiarity with the geotechnical characteristics of the City to understand what it will take to complete trenchless installations successfully.



Ecological Scientist – Liz Eardley will be our local lead for the environmental permitting and regulatory efforts necessary for this project. Not only does Liz live in the area, but she also has familiarity with the project area. Her experience on preparing environmental permit applications on past NPU pipeline projects will result in completing the permitting process as quickly as possible.

Subconsultant Services – Stantec intends to utilize **MSB Surveying Inc.** to complete the topographic survey that will serve as the base map for the project, while **Tierra Inc.** will provide the geotechnical investigations for evaluating existing subsurface conditions. Stantec has worked successfully with both subconsultants on the last five pipeline projects for NPU. We also intend to utilize **George F. Young Inc.** to perform subsurface utility engineering for the horizontal and vertical location of buried utilities.

Similar Projects and References

Our local Stantec Project Team listed above have all been involved with the projects highlighted below as reference projects:

North Lee County WRF Wellfield Expansion, Phase III

Lee County, FL, 2018 – Ongoing

Stantec is providing route evaluations, acquisition assistance, hydraulic analyses, environmental services, detailed design, permitting, bidding, and construction phase services.

Construction is underway for Phase IIIA, which consists of six production wells and approximately ten miles of raw water main ranging in size from 10 inches to 30 inches in diameter. Stantec has completed the 60% design milestone for Phase IIIB, which includes seven production wells and approximately seven miles of new raw water main. Phase IIIA of the project included over twenty HDD's pipe installations while Phase IIIB will contain over 12 HDD's and one Bore and Jack.

Lee County Utilities

Talya Bickle, PE, Eng. Operations Manager
Cell (239) 826-1599
tbickle@leegov.com

Canal Road Water Main Replacement

Manatee County, FL, 2015 – 2017

Stantec provided environmental services, detailed design, permitting bidding, and construction phase services.

The project consisted of the replacement of an existing 6,800 LF of 16-inch PVC water main with a new 16-inch DIP water main. There were three HDDs of 18-inch HDPE water main totaling over 1,000 LF and a 170 LF jack-and-bore of a 36-inch casing under FDOT right-of-way. The new water main was installed parallel to the existing PVC water main. The existing main was experiencing numerous failures due to rock bedding and/or rock backfill in certain areas.

Manatee County Public Works

Michael Sturm, Project Manager
Cell (941) 256-6722
Michael.Sturm@mymanatee.org

West River Interceptor Overflow PS & FM

City of Tampa, FL 2018 – 2018

Stantec provided detailed design and permitting for over 9,800 LF of 20-inch PVC force main and a new pump station.

There was a total of ten HDDs; the longest HDD was 2,000 LF. The project also included a new emergency diversion pump station at the west river interceptor crossing. The purpose of the diversion was to redirect wastewater during periods of high flows, thus reducing the risks of sanitary sewer overflows to the adjacent river. The City of Tampa approached Stantec and the Contractor to perform the work on this project as a Design Build with the goal of completing the project before the start of rainy season, which was accomplished.

City of Tampa

Cassidy Barrett, Project Manager
Tel (813) 274-8890
Cassidy.Barrett@tampagov.net

Cost Saving Measures

Stantec recognizes NPU's desire for cost-efficient project delivery to be provided by consultants. Our experience providing engineering services to NPU for conveyance projects gives us the knowledge we need to efficiently prepare the drawings and specifications necessary to bid and construct the project. One cost saving item we have identified is to have the project flown for the collection of LiDAR data in lieu of performing ground-based survey along the entire alignment, which will also save considerable time.

Our approach centers around bringing together a team of experts in all facets of this project—conveyance, trenchless, and regulatory—and collaborating with NPU staff throughout the project. We understand that you will be operating the system. Therefore, it is vital that every decision is made together with you. Our team is committed to delivering the project effectively and efficiently.

Respectfully submitted,



Stephen MacEachern, PE
Senior Project Manager
stephen.maceachern@stantec.com



Tracy Anderson, PE
Senior Technical Advisor
Tracy.anderson@stantec.com

CONFLICT OF INTEREST FORM

F.S. §112.313 places limitations on public officers (including advisory board members) and employees' ability to contract with the City either directly or indirectly. Therefore, please indicate if the following applies:

PART I.

- I am an employee, public officer or advisory board member of the City
_____ (List Position or Board)

- I am the spouse or child of an employee, public officer or advisory board member of the City
Name: _____

- An employee, public officer or advisory board member of the City, or their spouse or child, is an officer, partner, director, or proprietor of Respondent or has a material interest in Respondent. "Material interest" means direct or indirect ownership of more than 5 percent of the total assets or capital stock of any business entity. For the purposes of [§112.313], indirect ownership does not include ownership by a spouse or minor child.
Name: _____

- Respondent employs or contracts with an employee, public officer or advisory board member of the City
Name: _____

- None of The Above

PART II:

Are you going to request an advisory board member waiver?

- I will request an advisory board member waiver under §112.313(12)
- I will NOT request an advisory board member waiver under §112.313(12)
- N/A

The City shall review any relationships which may be prohibited under the Florida Ethics Code and will disqualify any vendors whose conflicts are not waived or exempt.

BUSINESS NAME: _____

NAME(PERSON AUTHORIZED TO BIND COMPANY): _____

SIGNATURE: _____

THIS PAGE MUST BE SUBMITTED WITH LETTER OF INTEREST

**DISCLOSURE FORM FOR
CONSULTANT/ENGINEER/ARCHITECT**

Please select only one of the following three options:

_____ Our firm has no actual, potential, or reasonably perceived, **financial*** or **other interest**** in the outcome of the project.

_____ Our firm has a potential or reasonably perceived **financial*** or **other interest**** in the outcome of the project as described here:

Our firm proposes to mitigate the potential or perceived conflict according to the following plan:

_____ Our firm has an actual **financial*** or **other interest**** in the outcome of the project as described here:

***What does “financial interest” mean?**

If your firm, or employee(s) of your firm working on the project (or a member of the employee’s household), will/may be perceived to receive or lose private income depending on the government business choices based on your firm’s findings and recommendations, this must be listed as a financial interest. An example would be ownership in physical assets affected by the government business choices related to this project. The possibility of contracting for further consulting services is not included in this definition and is not prohibited.

****What does “other interest” mean?**

If your firm, or employee(s) of your firm working on the project (or a member of the employee’s household), will/may be perceived to have political, legal or any other interests that will affect what goes into your firm’s findings and recommendations, or will be/may be perceived to be affected by the government business choices related to this project, this must be listed as other interest.

BUSINESS NAME: _____

NAME (PERSON AUTHORIZED TO BIND THE COMPANY): _____

SIGNATURE: _____ **DATE:** _____

Scrutinized Company Certification Form

Company Name: <u>Stantec Consulting Services Inc.</u>			
Authorized Representative Name and Title: <u>Stephen MacEachern, PE, Sr. Project Engineer</u>			
Address: <u>6920 Professional Parkway</u>	City: <u>Sarasota</u>	State: <u>FL</u>	ZIP: <u>34240</u>
Phone Number: <u>(941) 907-6900</u>	Email Address: <u>stephen.maceachern@stantec.com</u>		

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the City of North Port for goods or services of any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Florida Statutes, section 215.4725, or is engaged in a boycott of Israel.

A company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with the City of North Port for goods or services of \$1 million or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Florida Statutes, section 215.473, or with companies engaged in business operations in Cuba or Syria.

CHOOSE ONE OF THE FOLLOWING

- This bid, proposal, contract or contract renewal is for goods or services of less than \$1 million. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes, section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel.

- This bid, proposal, contract or contract renewal is for goods or services of \$1 million or more. As the person authorized to sign on behalf of the above-named company, and as required by Florida Statutes, section 287.135(5), I hereby certify that the above-named company is not participating in a boycott of Israel, is not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and it does not have business operations in Cuba or Syria.

I understand that pursuant to Florida Statutes, section 287.135, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the above-named company to civil penalties, attorney's fees and costs.
Certified By: _____ AUTHORIZED REPRESENTATIVE SIGNATURE
Print Name and Title: <u>Stephen MacEachern, PE, Sr. Project Engineer</u>
Date Certified: <u>09/06/2022</u>

Solicitation/Contract/PO Number (Completed by Purchasing): _____

VENDOR'S CERTIFICATION FOR E-VERIFY SYSTEM

The undersigned Vendor/Consultant/Contractor (Vendor), certifies the following:

1. Vendor is a person or entity that has entered into or is attempting to enter into a contract with the City of North Port (City) to provide labor, supplies, or services to the City in exchange for salary, wages or other remuneration.
2. Vendor has registered with and will use the E-Verify System of the United States Department of Homeland Security to verify the employment eligibility of:
 - a. All persons newly hired by the Vendor to perform employment duties within Florida during the term of the contract; and
 - b. All persons, including subcontractors or subconsultants, assigned by the Vendor to perform work pursuant to the contract with the City.
3. If the Vendor becomes the successful Contractor who enters into a contract with the City, then the Vendor will comply with the requirements of Section 448.095, Fla. Stat. "Employment Eligibility", as amended from time to time.
4. Vendor will obtain an affidavit from all subcontractors attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien as defined in 8 United States Code, Section 1324A(H)(3).
5. Vendor will maintain the original affidavit of all subcontractors for the duration of the contract.
6. Vendor affirms that failure to comply with the state law requirements can result in the City's termination of the contract and other penalties as provided by law.
7. Vendor understands that pursuant to Florida Statutes, section 448.095, the submission of a false certification may result in the termination of the contract if one is entered into, and may subject the Vendor named in this certification to civil penalties, attorney's fees and costs.

VENDOR: _____ (Vendor's Company Name)

Certified By: _____
AUTHORIZED REPRESENTATIVE SIGNATURE

Print Name and Title: _____

Date Certified: 09/06/2022