

February 25, 2022

CITY OF NORTH PORT
Utilities Department
6644 W. Price Blvd.
North Port, Florida 34291

RE: Request for Letters of Interest No. 2020-58; Drying Bed at the Southwest Water Reclamation Facility

As the City of North Port embarks on the selection of an engineering consultant to provide design and limited construction phase services for the sludge drying bed improvements at the Southwest Water Reclamation Facility (SWWRF), Kimley-Horn would like to express our sincere professional interest in this opportunity.

The team will be led by **Ashley Miele, P.E.**, who has become a trusted advisor for the City of North Port over the past several years. She has a long-standing reputation for her approach to problem solving and passion for client service. Ashley prioritizes responsiveness and collaboration in developing solutions and has cultivated a team to meet and exceed your expectations. We are proposing a well-rounded team of professionals with a history of working together on the SWWRF, including **Steve Romano, P.E.**, the facility's Engineer of Record. Our team offers the City **unmatched institutional knowledge of all aspects of the SWWRF, including:**

- **Influent Characteristics:** From our design experience and recent work with the City of North Port, we understand the wastewater characteristics include high levels of grease and grit. During start-up, we witnessed rags and grease coming into the plant, building up on the screens and headcell. Grit from construction and grease will make their way into the vacuum truck.
- **Future Expansion:** Our team designed the future layout and expansion of this facility and knows where to construct the drying bed to avoid these future structures.
- **Knowledge of the City's Vacuum Trucks:** Our team utilized the cut sheets for the City's vacuum truck to design and modify the septage receiving station.
- **Lift Station and Gravity System:** Our team knows the location and the design behind the lift station and gravity system.

Project Understanding and Deliverables

Kimley-Horn understands NPU is seeking a qualified professional engineering firm to design, permit, and provide construction certification services for the sludge drying beds at the SWWRF. The City uses vacuum trucks to clean out portions of the collections system and intends to use sludge drying beds in lieu of the septage receiving station for dewatering the truck contents. The dual drying beds will be sized to accommodate a minimum of four to five trucks per week and the beds will drain to the onsite plant lift station. Odor control, sufficient drainage, protection from the elements, adequate storage capacity, and accessibility for the vacuum trucks and operators will be critical components of design. Kimley-Horn will coordinate closely with City engineering and Operations staff for a thoughtfully designed, easy to use facility incorporating these design elements and making the best use of existing infrastructure.

The deliverables to be provided are as follows:

- ★ Kick-off meeting minutes
- ★ Plans, and specifications, bid form and EOPCC for the project
- ★ Permit applications for FDEP
- ★ Up to two (2) Responses to FDEP Requests for Additional Information during the permitting process
- ★ Bid phase services including responding to bidders' questions via addenda, bid tabulation, and recommendation of award
- ★ Certification of construction completion to FDEP
- ★ Record Drawings

Unmatched Experience



Kimley-Horn provided design, construction phase, and start-up services for the SWWRF. The very same project team will be involved in the sludge drying bed improvements design and certification. Our hands-on experience with the plant and our close relationships with the operations staff will pay immeasurable dividends as we develop conceptual plans and construction documents. The plant is designed to accommodate phases for expansion and our team knows best what future facilities will be impacted by the addition of the sludge drying beds. Our team has also witnessed operation of the City's vacuum truck at the site and has spoken directly with operators to better understand their needs and typical discharge operations. Our comprehensive understanding of the SWWRF combined with our experience on similar projects will make for an efficient workflow and an optimized design.



EOR for SWWRF process and site civil components



Continued involvement with facility



Thorough understanding of site conditions

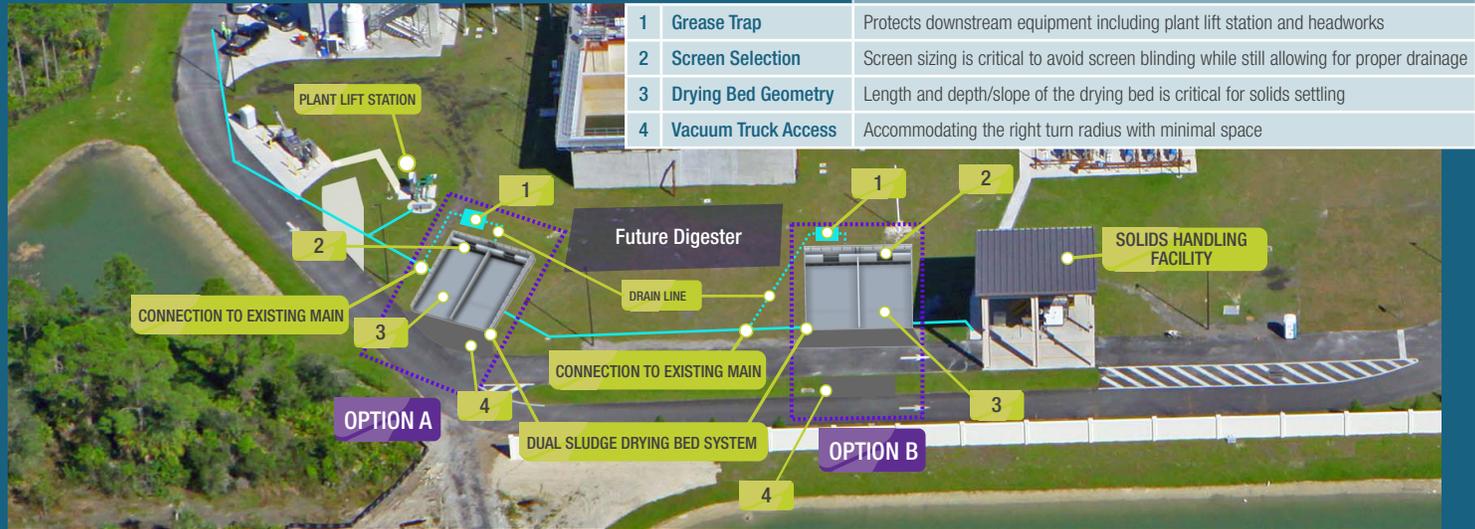


Working knowledge of NPU's vacuum trucks

Our Approach

We are extremely familiar with the City's goals for this project and will waste no time developing construction documents to usher this project to bid. We've identified options for drying bed placement and have developed conceptual layouts for the preliminary design based on our understanding of the vacuum truck operator's needs and existing site conditions. Options A and B in the exhibit below will be presented to staff at the project kick-off with the hopes of selecting a location to proceed with further design. Each of these options will utilize existing drain lines and pavement to maximize the use of the existing infrastructure and minimize construction costs.

Our team recently completed several drying beds for other municipalities and will incorporate lessons learned from those projects in the preliminary design for the SWWRF drying bed system. Lessons learned such as these can be discussed with the City and implemented, as needed, pending the existing conditions and expected operations and maintenance of the facility.



Lessons Learned	
1	Grease Trap Protects downstream equipment including plant lift station and headworks
2	Screen Selection Screen sizing is critical to avoid screen blinding while still allowing for proper drainage
3	Drying Bed Geometry Length and depth/slope of the drying bed is critical for solids settling
4	Vacuum Truck Access Accommodating the right turn radius with minimal space

Upon soliciting input from City staff and selecting a location, we are prepared to draft 90% design drawings with accompanying technical specifications and an Engineer's Opinion of Probable Construction Cost (EOPCC). We will use the SWWRF record drawing information and AutoCAD files that we already have on hand to accelerate the design process and will develop technical specifications based on NPU's standard specifications, incorporating supplemental sections as needed. We will also generate the EOPCC, utilizing bid data from three of our recently constructed sludge drying projects in Florida, while being mindful of rising material costs. The 90% design documents will be presented to City staff in a review meeting to solicit input and identify any areas for improvement and ensure stakeholders needs are met. Following the 90% review meeting, we will finalize the documents for bid and submit permit applications to FDEP. Our **practical approach to design** and attention to constructability combined with our experience with the SWWRF and lessons learned from previous NPU projects will help implement a **constructible and maintainable** sludge drying bed system.

Having recently been through the bidding and construction phase on several projects with NPU, our team completely understands the City's process for securing a contractor for this work. Our anticipated bid phase services include attendance at the pre-bid meeting, assisting City staff with addressing addenda, reviewing contractor bids, evaluating contractor references, and providing a recommendation for selection. Over the course of construction, we understand it will be critical to address site access, specifically to the septage receiving station and ensure existing operations are maintained throughout construction. Our team will plan around operational needs to account for the sequencing, staging, and access through the design and construction phase services.

Construction phase services will include limited oversight for FDEP certification and review of contractor submittals. Our collaborative approach to construction provides continuous communications between our team, the City, and the Contractor which results in limited impacts to the schedule, quick resolutions, and reduces workload for the City. Additionally, our team is less than 45 min away and can be onsite in short notice to discuss design changes in the field or provide additional observation services.

Project Spotlight

Lake Wales WRF Vacuum Truck Sludge Drying Bed

Kimley-Horn provided design, permitting, and construction phase services for a new vacuum truck sludge drying bed. Construction documents were developed for the demolition of the existing drying bed system and the installation of a dual drying bed system with decant and screening capabilities. Our original design included a fine screen for additional removal of solids and grit while the second bed has a coarse screen for operator flexibility, allowing the City to dump multiple trucks in a day if needed. Lessons learned over the course of design included removal of the fine screen and installation of a second coarse screen to accelerate the time to drain as well as extending the length of the beds at a shallower slope to allow for larger solids to settle and prevent blinding of the screens. Construction completion is anticipated for April 2022.



Meet the Team

We trust that NPU has experienced first-hand Kimley-Horn's reputation for exceptional client service. We are proposing a strong professional design team that performed the planning, design, construction observations and start-up of the SWWRF. It is clear from our teams' experience that we are able to present efficient, cost-effective solutions formulating the best possible plan for implementing the dual sludge drying bed system. Additionally, the majority of our team is within our local Sarasota office allowing us to provide effective project management and a one-stop shop for consistent design services and high quality deliverables.



Ashley Miele, P.E.
Project Manager

- 19 years of experience on water and wastewater engineering projects
- Will coordinate project resources and personnel to develop deliverables within the project timeline
- Provided project management, design and construction phase services for the SWWRF**
- Recently completed projects in and for North Port and can expertly navigate permitting, bidding, and project close-out process



Steve Romano, P.E.
Design Lead

- 24 years of experience in the water and wastewater industry
- Engineer-of-Record for the SWWRF**
- Thorough understanding of sludge drying process and regulatory requirements
- Long, successful history of completing similar projects, closely coordinating with engineers and operators to determine project goals and develop the best solution



Madeline Kender, P.E.
Design Engineer

- First-hand experience with City's vacuum trucks and how they operate
- Provided design, construction phase, and start-up services for the SWWRF**
- Local to Sarasota and can perform site inspection services as needed for certification
- Will act as an extension of City staff, establishing open lines of communication with City engineers, operators, and inspectors



Rocco Angerami
Field Staff

- 25+ years of experience in construction industry and specifically inspection services
- Provided inspection phase services for the SWWRF**
- Completed successful certifications and project closeouts with both FDEP and North Port
- Lead for constructability review, including consideration of sequencing and staging

References

Lake Wales WRF Vacuum Truck Sludge Drying Bed

Ted Long, Chief Wastewater— Plant Operator
tlong@lakewalesfl.gov 863-678-4114

Port Orange WRF Drying Bed

Steve Parnell, Assistant Reclaimed Water Production— Manager
spanrell@port-orange.org 386-506-5786

Bay Laurel WRF VacCon Station

Bryan Schmalz— Utility Director
bryan_schmalz@blccdd.com 352-414-5454 x 4105

Schedule

We understand this project is important to the City and although a conservative approach can be taken with various preliminary concepts, we feel that with our conceptual layouts presented in this response, our team can work with the City to quickly develop a 90% and final set of construction plans and specifications within the duration shown below. Our team would also be happy to discuss a more traditional approach over a longer duration, if preferred by the City.

NOTICE TO PROCEED



Supporting Team Members



Seth Schmid, P.E.
Structural Design
26 years of experience

EOR for SWWRF structural design

Responsible for developing deliverables for structural components



Lewis Bryant, P.E.
QA/QC
21 years of experience

Project manager and EOR for SWWRF

Experience with sludge drying beds, constructability reviews, and site access



Jamison Tondreault, P.E.
Design Support
10 years of experience

EOR for sludge drying beds currently under construction

Revit and AutoCAD including Autoturn specialist

DISCLOSURE FORM FOR CONSULTANT/ENGINEER/ARCHITECT

Please select only one of the following three options:

Print Form

Clear All Fields

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?**

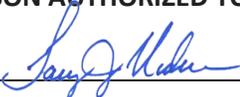
If your firm, or employee(s) of your firm working on the project (or a member of the employee's household), will/may be perceived to receive or lose private income depending on the government business choices based on your firm's findings and recommendations, this must be listed as a financial interest. 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: Kimley-Horn and Associates, Inc.

NAME (PERSON AUTHORIZED TO BIND THE COMPANY): Gary Nadeau, P.E., Sr. Vice President

SIGNATURE: 

DATE: 02/24/2022

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:

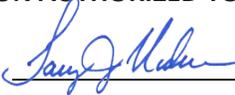
Are you going to request an advisory board member waiver?

- 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: Kimley-Horn and Associates, Inc.

NAME(PERSON AUTHORIZED TO BIND COMPANY): Gary Nadeau, P.E., Sr. Vice President

SIGNATURE:  _____

THIS PAGE MUST BE SUBMITTED WITH LETTER OF INTEREST

Scrutinized Company Certification Form

Company Name: <u>Kimley-Horn and Associates, Inc.</u>			
Authorized Representative Name and Title: <u>Gary Nadeau, P.E., Sr. Vice President</u>			
Address: <u>1777 Main Street, Suite 200</u>	City: <u>Sarasota</u>	State: <u>FL</u>	ZIP: <u>34236</u>
Phone Number: <u>941.379.7654</u>	Email Address: <u>gary.nadeau@kimley-horn.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>Gary Nadeau, P.E., Sr. Vice President</u>	_____
Date Certified: <u>2/24/2022</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: Kimley-Horn and Associates, Inc. (Vendor's Company Name)

Certified By: 
AUTHORIZED REPRESENTATIVE SIGNATURE

Print Name and Title: Gary Nadeau, P.E., Sr. Vice President

Date Certified: 2/24/2022