

# Proposal to Provide

## WRF – Sodium Hydroxide Storage Area Modifications

**Services to be provided by:** Hazen and Sawyer (Hazen)

**Services provided to (“Village”):** Village of Wellington (Village)

**Proposal Date:** March 24, 2025

### Proposal Terms

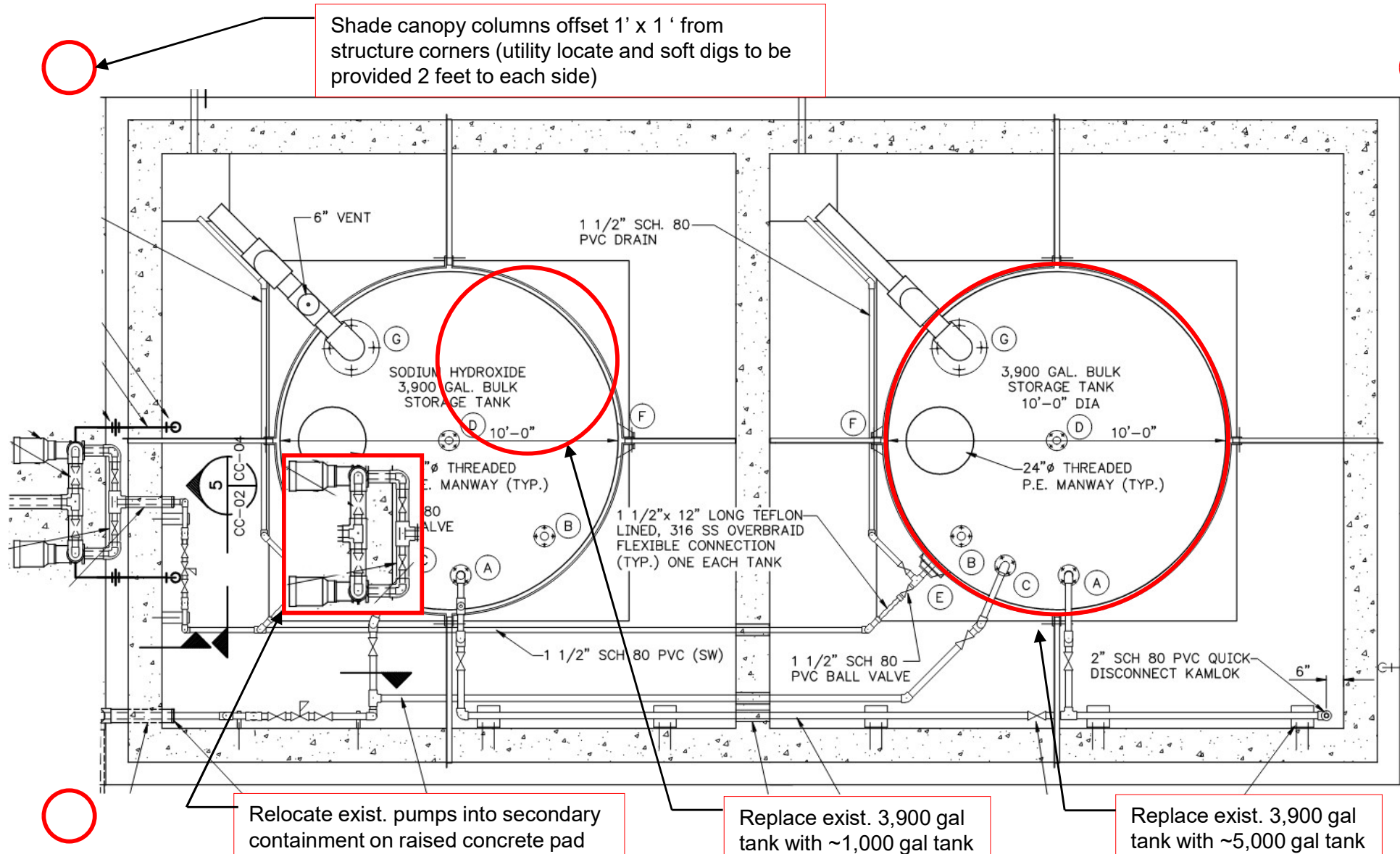
#### PROJECT DESCRIPTION

The sodium hydroxide (NaOH) storage area at the Village of Wellington Water Reclamation Facility (Wellington WRF) currently supports two 3,900 gallon (gal) polyethylene bulk NaOH storage tanks in concrete secondary containment. Magnetic drive pumps at the storage area feed NaOH to a chemical pipe loop which supplies NaOH to chemical odor control scrubbers located throughout the plant. The tanks were installed in 2011 and have reached the end of their typical expected useful life, and are due for replacement.

Under this work order, Hazen will provide engineering design services for replacing the bulk NaOH storage tanks, and other modifications, including the following:

- Replace the two existing 3,900 gallon bulk NaOH storage tank with one approximate 5,000 gallon bulk NaOH storage tank, and a second approximate 1,000 gal bulk storage tank.
- Relocate the existing magnetic drive pumps into secondary containment.
- Replace the existing level meters.
- Provide stair/ladder access into and out of the secondary containment area.
- Replace PVC piping.
- Provide a shade canopy structure.

A conceptual plan of the proposed improvements are shown in attached **Figure 1**.



Notes:

1. Replace exist level meters and transmitters
2. Provide shade canopy structure
3. Reestablish grounding / lightning protection

## **SCOPE OF SERVICES**

### **Task 1 – Project Initiation and Meetings**

Hazen will hold meetings with the Village during the design of the described improvements. The anticipated meetings are listed below;

- Kickoff meeting to discuss the project details
- Meeting to review 60% design submittal materials
- Meeting to review 100% design submittal materials

Hazen will organize and lead meetings with the Village staff and key members of the project team. During the project initiation kickoff meeting, the overall work plan, project goals, and schedule will be discussed, lines of communication will be established, and data needs will be assessed.

Minutes for each meeting will be prepared and distributed by the Hazen.

#### Deliverable(s):

1.1 – Minutes from project kick-off meeting

1.2 – Minutes for 60% design review meeting

1.3 – Minutes for 100% design review meeting

### **Task 2 – Development of Contract Documents**

Hazen will prepare the drawings and specifications needed for construction. Hazen shall address the following design elements in the construction documents:

- Replace the two existing 3,900 gallon bulk NaOH storage tank with one approximate 5,000 gallon bulk NaOH storage tank, and a second approximate 1,000 gal bulk storage tank.
- Relocate the existing magnetic drive pumps into secondary containment.
- Replace the existing level meters.
- Provide stair/ladder access into and out of the secondary containment area.
- Replace PVC piping.
- Provide a shade canopy structure.

The preliminary list of drawings anticipated for design are as follows:

| Sheet  | Drawing      | Title                                                                   |
|--------|--------------|-------------------------------------------------------------------------|
| 1 to 3 | G-01 to G-03 | Cover Sheet; List of Drawings; Symbols and Abbreviations; General Notes |
| 4      | C1           | Key Plan                                                                |
| 5      | C2           | Standard Civil Details                                                  |
| 6      | M1           | Process Mechanical Plan View                                            |
| 7      | M2           | Process Mechanical Section Views                                        |
| 8      | M3           | Process Mechanical Detail Views                                         |
| 9      | M4           | Process Mechanical Standard Details                                     |
| 10     | S1           | Structural Notes                                                        |
| 11     | S2           | Structural Plan View / Section / Details                                |
| 12     | I1           | Instrumentation Symbols and Legend                                      |
| 13     | I2           | Process and Instrumentation Control Diagram                             |
| 14     | I3           | Instrumentation Details                                                 |
| 15     | E1           | Electrical General Notes, Abbreviations, and Legend                     |
| 16     | E2           | Electrical Site Plan                                                    |
| 17     | E3           | Electrical Panel Schedules, and Riser Diagram                           |

A 60% complete set of construction drawings and list of specifications will be submitted to the Village for review and comment. Hazen will meet with Village representatives to discuss recommendations and to receive Village comments.

Upon receipt of comments from the Village, Hazen will proceed with the final contract documents. A 100% complete set of construction documents will be submitted to the Village for review and comment. Hazen will meet with Village representatives to discuss recommendations and to receive Village comments.

Hazen will prepare a Class 3 Engineer's Opinion of Probable Construction Cost (OPCC) at the 60% and 100% design level as defined by the AACE International in Recommended Practices 18R-97, which is normally expected to be accurate within approximately plus 30 percent to minus 20 percent of the estimated cost.

Hazen will engage a contractor to perform subsurface utility engineering (SUE) locate services, Top Dog Industries LLC (SUE Contractor) for the proposed column locations for the shed structure.

**Deliverable(s):**

2.1 – Preliminary (60%) Construction Documents: One (1) electronic version of the plans, Key Specifications and List of Specifications, and OPCC will be provided

2.2 – Final (100%) Construction Documents: One (1) electronic version of the plans, Technical Specifications, and OPCC will be provided, in both .pdf and word .doc format.

### **Task 3 – Bidding and Award Services**

It is assumed that the Village will sell and distribute bid documents, conduct pre-bid conference and bid opening, and address any administrative questions from prospective bidders. Hazen shall assist the Village in the following ways:

- Hazen shall attend the pre-bid conference and assist the Village with any responses to technical questions regarding the bid documents.
- Hazen shall assist the Village in preparing addenda which relate to technical questions.
- Hazen shall review bids and provide a recommendation of award.
- Hazen shall prepare Conformed Drawings and Specifications based on addenda issued.

#### Deliverable(s):

3.1 – Recommendation of Award for First Sequence: Following evaluation of the lowest qualified bidder's proposal, Hazen shall submit to the Village the recommendation for award.

### **ASSUMPTIONS**

1. Site information including, but not limited to, existing as-built drawings will be provided to Hazen by the Village. Drawings available in .dwg format will be obtained by Village and provided electronically.
2. Permitting during design phase is not anticipated at this is a replacement project.
3. Standard Front End Documents will be prepared/provided by the Village.
4. Topographical survey information required will be provided by the Village.
5. Record drawings will be relied upon for identification and location of underground utilities.
6. The drawings and specifications shall be prepared assuming that the Village will competitively bid this project in a single bid package and enter into a construction contract with one general contractor to complete the work.

## SCHEDULE

| Task | Description                             | Time of Completion from NTP |
|------|-----------------------------------------|-----------------------------|
| 1    | Meeting Minutes                         | As Applicable               |
| 2    | 60% Drawings and List of Specifications | 12 weeks                    |
| 2    | 100% Drawings and Specifications, OPCC  | 16 weeks                    |
| 3    | Coordination With CMAR                  | 24 weeks (estimated)        |

## COMPENSATION

Compensation for all tasks, unless specifically noted below, will be billed on a lump sum basis based on percent of work complete and total project fees presented in Attachment A.

## AUTHORIZATION

Work described in this proposal will commence upon authorization to proceed and receipt of a signed agreement.

### Hazen and Sawyer, D.P.C.

Signed: 

Name: Kurt Pfeffer, PE

Title: Associate Vice President

Date: 3/25/2025

## ATTACHMENT A

## BUDGET SUMMARY - Lump Sum

| Task No. | Description                 | BUDGET SUMMARY for WRF - NaOH Storage Area Modifications |                  |           |                           |                    |                     |                    |          |         |             |                |
|----------|-----------------------------|----------------------------------------------------------|------------------|-----------|---------------------------|--------------------|---------------------|--------------------|----------|---------|-------------|----------------|
|          |                             | Vice President                                           | Senior Associate | Associate | Senior Principal Engineer | Principal Engineer | Engineer/ Asst Engr | Principal Designer | Designer | Office  | Total Labor | Sub-Consultant |
| 1        | Project Initiation/Meetings | 0                                                        | 6                | 6         | 0                         | 0                  | 0                   | 0                  | 0        | 2       | 14          | \$0            |
| 2        | Contract Documents          | 14                                                       | 33               | 32        | 38                        | 64                 | 82                  | 37                 | 37       | 8       | 345         | \$2,653        |
| 3        | Bidding Services            | 2                                                        | 8                | 0         | 0                         | 8                  | 4                   | 4                  | 4        | 4       | 34          | \$0            |
|          | SUB-TOTAL                   | 16                                                       | 47               | 38        | 38                        | 72                 | 86                  | 41                 | 41       | 14      | 393         | \$2,653        |
|          |                             |                                                          |                  |           |                           |                    |                     |                    |          |         |             |                |
|          | Labor Raw Costs             | \$295                                                    | \$265            | \$225     | \$195                     | \$165              | \$145               | \$155              | \$130    | \$100   |             |                |
|          | Labor Sub-Total             | \$4,720                                                  | \$12,455         | \$8,550   | \$7,410                   | \$11,880           | \$12,470            | \$6,355            | \$5,330  | \$1,400 |             |                |
|          | Labor Total                 |                                                          |                  |           |                           |                    |                     |                    |          |         | \$70,570    |                |
|          |                             |                                                          |                  |           |                           |                    |                     |                    |          |         |             |                |
|          | Subconsultant Labor Total   |                                                          |                  |           |                           |                    |                     |                    |          |         |             | \$2,653        |
|          | Subconsultant Multiplier    |                                                          |                  |           |                           |                    |                     |                    |          |         |             | 1.0            |
|          | Subconsultant Total         |                                                          |                  |           |                           |                    |                     |                    |          |         |             | \$2,653        |
|          |                             |                                                          |                  |           |                           |                    |                     |                    |          |         |             |                |
|          | Reimbursable Expenses       |                                                          |                  |           |                           |                    |                     |                    |          |         |             | \$0            |
|          |                             |                                                          |                  |           |                           |                    |                     |                    |          |         |             |                |
|          | Project Total               |                                                          |                  |           |                           |                    |                     |                    |          |         |             | \$73,223       |

# SUBCONSULTANT PROPOSAL



Top Dog Industries LLC  
3114 Tuxedo Avenue  
West Palm Beach, FL 33405  
(561) 629-7121

### ESTIMATE # TDI-2588

Submitted to: Hazen And Sawyer  
2101 Northwest Corporate Boulevard  
Suite 301,  
Boca Raton, Florida 33431  
(561) 997-8070

Attention: Eric Stanley  
estanley@hazeandsawyer.com  
Billing:

Submitted by: Luis Martinez  
[luism@topdogind.com](mailto:luism@topdogind.com)  
Job Address: Village of Wellington NaOH Storage  
Area Modification,  
Wellington , Florida

Date of Estimate: October 24, 2025  
This estimate is good for 30 days.

**The price is based on current conditions and may change if there are unforeseen issues that could not be seen during Top Dog Industries LLC field visit or scope changes.**

**The estimate is for guidance only; final costs depend on actual work and condition.**

**Top Dog Industries , LLC may adjust the estimate, as necessary.**

**Client will provide dumpsite. In the Event that Top Dog Industries can not dump on site there is additional charge of \$425 per dump and travel time.**

**Hydro Excavation(Soft Dig) utility locate and softdig at the proposed canopy structure.**

| Product Name                      | Qty | Units         | Unit Price | Line Total        |
|-----------------------------------|-----|---------------|------------|-------------------|
| Jet Vac Truck hourly one operator | 8   | hour(s)       | \$245.00   | \$1,960.00        |
| Fuel Surcharge                    | 1   | Each          | \$180.00   | \$180.00          |
| MOB RATE PER VACTOR               | 1   | Each          | \$490.00   | \$490.00          |
| Water Usage Fee                   | 1   | truck load(s) | \$23.00    | \$23.00           |
| <b>TOT</b>                        |     |               |            | <b>\$2,653.00</b> |

#### Please Note:

- This proposal excludes disposal of hazardous waste.
- There is a 4-hour minimum charge on all jobs unless cancelled before mobilization. On-site waiting or stand by time will be charged at normal rates
- Work will be performed during the hours of 8:00 a.m. and 5:00 p.m. Monday through Friday (excluding all holidays and weekend) unless otherwise stated.
- Scope is listed above/below. No other scopes are implied or suggested. Any items not specified in this proposal will be an extra to the contract. Any changes to this proposal, plans, or in the field must be requested/submitted, in writing, by the client. No change order work to proceed until written confirmation is received.
- Price above is only an estimate of foreseen conditions. Unforeseen conditions can affect the amount of time to complete the work therefore increasing or decreasing estimate. The estimate is for guidance only; final costs depend on actual work and conditions and price may be adjusted as necessary.
- No liability accepted for any damage due to ingress, egress and operation of equipment
- If contaminated liquids or soils or encountered such as oil, gas, fuel, hydraulic oil, etc., the customer is responsible for all costs for testing and disposal.
- Customer is responsible for problems caused by a pre-existing condition, original installation or design.
- Unless noted MOT plans, signage, maintenance & execution not included
- All balances not paid within 5 days from the date of an invoice or request for payment shall bear interest at the rate of 18% per annum; however, such interest shall never exceed the highest rate allowed by law.
- Unless noted; insurance compliance fee not included.
- All agreements are contingent upon strikes, accidents, or delays beyond our control.
- Unless noted; engineering, permits, testing, bonds are not included.
- Any dispute arising under, from or as a result of this contract, including but not limited to breach, enforcement, or interpretation, proceedings to determine entitlement to and amount of attorney's fees incurred by the prevailing party, the parties agree that the prevailing party or parties shall be entitled to recover all costs or expenses incurred (including those incurred in any litigation, arbitration, appeals from any litigation and enforcement of judgements including but not limited to garnishment proceedings), including reasonable attorney's fees, fees for clerical work and any other services of accountants, paralegals, legal assistants and similar persons. This provision shall survive any termination of this contract.
- Credit card transaction fees are passed on to you.
- Mobilization fee charged unless otherwise specified
- Material prices are subject to change without notice.
- Signature signifies acknowledgment and acceptance that all work has been completed to full satisfaction and all terms, conditions and pricing that was provided to me from Top dog industries LLC that is inclusive of mobilization with no disputes to be paid in full of invoice amount.
- Top dog industries LLC will not assume or accept liability or responsibilities for any damages to any types of underground pipes, manhole structures, catch basins, grates, lids, or property of any kind at any time.

Please send us a copy of the notice of commencement

ACCEPTANCE OF PROPOSAL /SIGN & RETURN

*Luis Martinez*

October 24, 2025

Signed:.....

COMPANY REPRESENTATIVE

.....  
Luis Martinez, Top Dog Industries

Print name:

.....